

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An image forming apparatus comprising:

a hardware resource used for image forming processing; and

a program for performing processing concerning image formation,

wherein said apparatus comprises:

a reading type changing part changing a type of reading of a plurality of originals

which include different types of originals in a mixed manner being read, the different types of originals including originals having an image on a single side thereof and originals having images on both sides thereof; and

a grouping part grouping printing paper sheets on which images have been formed based on the plurality of different types of originals,

wherein said reading type changing part changes a type of reading of an original in response to a reading type change instruction input by an operator while the plurality of originals are being read;

~~said reading type comprises a type of an original as to whether the original has an image on a single side thereof or images on both sides thereof.~~

Claims 2-3 (Canceled).

Claim 4 (Original): The image forming apparatus as claimed in claim 1, wherein:  
said type comprises a size of the original.

Claim 5 (Original): The image forming apparatus as claimed in claim 4, further comprising a size detecting part detecting the size of the original.

Claim 6 (Original): The image forming apparatus as claimed in claim 5, wherein:  
said reading type changing part changes the type of reading an original when the size of an original detected by said size detecting part immediately before is different from the size of an original which is read subsequently.

Claim 7 (Original): The image forming apparatus as claimed in claim 5, wherein:  
said size detecting part stops a size detection operation in response to a reading size changing instruction input by an operator.

Claim 8 (Original): The image forming apparatus as claimed in claim 1, wherein:  
in case the reading type changing part changes the type of reading an original, an image of an original which is read subsequently is formed on a printing paper sheet which is different from a printing paper sheet on which an image is formed immediately before the reading type is changed.

Claim 9 (Withdrawn): An image forming apparatus comprising:  
a hardware resource used for image forming processing; and  
a program for performing processing concerning image formation,  
wherein said apparatus comprises:  
a printing type changing part changing a type in which a read image of an original is formed on a printing paper sheet, during a plurality of originals which include different types of originals in a mixed manner being read; and  
a grouping part grouping the printing paper sheets on which images have been formed based on the plurality of originals,

wherein said reading type changing part changes a type of reading of an original in response to a reading type change instruction input by an operator while the plurality of originals are being read,

said reading type comprises a type of an original as to whether the original has an image on a single side thereof or images on both sides thereof.

Claims 10-11 (Canceled).

Claim 12 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:  
in case the printing type changing part changes the type in which an image of original is formed on a printing paper sheet, an image of original formed subsequently on a printing paper sheet which is different from a printing paper sheet on which an image is formed immediately before the type of forming an image is changed.

Claim 13 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:  
said type comprises a size of the original.

Claim 14 (Withdrawn): The image forming apparatus as claimed in claim 13, further comprising a size detecting part detecting the size of the original.

Claim 15 (Withdrawn): The image forming apparatus as claimed in claim 14,  
wherein:  
said printing type changing part changes the size of a printing paper sheet on which an image of original is formed subsequently when the size of an original detected by said size

detecting part immediately before is different from the size of an original which is read subsequently.

Claim 16 (Withdrawn): The image forming apparatus as claimed in claim 14,  
wherein:

said size detecting part stops an original size detecting operation in response to a reading type change instruction input by an operator.

Claim 17 (Withdrawn): An image forming apparatus comprising:

a hardware resource used for image forming processing; and

a program for performing processing concerning image formation,

wherein said apparatus comprises:

a paper inserting part inserting a predetermined paper sheet into a plurality of printing paper sheets on which images are formed based on a plurality of originals having different types of originals in a mixed manner; and

a grouping part grouping the printing paper sheets,

said paper inserting part inserts a predetermined paper sheet subsequent to a printing paper sheet on which an image of original read immediately before is formed in response to a paper inserting instruction input by an operator, during the plurality of originals being read.

Claim 18 (Canceled).

Claim 19 (Withdrawn): An image forming apparatus comprising:

a hardware resource used for image forming processing; and

a program for performing processing concerning image formation,

wherein said apparatus comprises:

an original separating part which, in response to an original separating instruction input by an operator during a plurality of originals having different types of originals in a mixed manner being read, forms an image of original immediately subsequent to reception of said instruction onto a printing paper sheet which is different from a printing paper sheet on which an image of original read immediately before the reception of said instruction is formed; and

a grouping part grouping the printing paper sheets on which images have been formed based on the plurality of originals.

Claim 20 (Original): The image forming apparatus as claimed in claim 1, further comprising an automatic original feeding part which automatically reads the plurality of originals set therein.

Claim 21 (Withdrawn): The image forming apparatus as claimed in claim 9, further comprising an automatic original feeding part which automatically reads the plurality of originals set therein.

Claim 22 (Withdrawn): The image forming apparatus as claimed in claim 17, further comprising an automatic original feeding part which automatically reads the plurality of originals set therein.

Claim 23 (Withdrawn): The image forming apparatus as claimed in claim 19, further comprising an automatic original feeding part which automatically reads the plurality of originals set therein.

Claim 24 (Original): The image forming apparatus as claimed in claim 1, wherein:  
in addition to the image of original, a page number is printed on the printing paper  
sheet.

Claim 25 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:  
in addition to the image of original, a page number is printed on the printing paper  
sheet.

Claim 26 (Withdrawn): The image forming apparatus as claimed in claim 17,  
wherein:  
in addition to the image of original, a page number is printed on the printing paper  
sheet.

Claim 27 (Withdrawn): The image forming apparatus as claimed in claim 19,  
wherein:  
in addition to the image of original, a page number is printed on the printing paper  
sheet.

Claim 28 (Original): The image forming apparatus as claimed in claim 24, wherein:  
the page number is not printed on a side of the printing paper sheet on which the  
image of original is not formed.

Claim 29 (Withdrawn): The image forming apparatus as claimed in claim 25,  
wherein:

the page number is not printed on a side of the printing paper sheet on which the  
image of original is not formed.

Claim 30 (Withdrawn): The image forming apparatus as claimed in claim 26,  
wherein:

the page number is not printed on a side of the printing paper sheet on which the  
image of original is not formed.

Claim 31 (Withdrawn): The image forming apparatus as claimed in claim 27,  
wherein:

the page number is not printed on a side of the printing paper sheet on which the  
image of original is not formed.

Claim 32 (Original): The image forming apparatus as claimed in claim 1, further  
comprising a recording part which stores data of each image which is formed on the printing  
paper sheet.

Claim 33 (Withdrawn): The image forming apparatus as claimed in claim 9, further  
comprising a recording part which stores data of each image which is formed on the printing  
paper sheet.

Claim 34 (Withdrawn): The image forming apparatus as claimed in claim 17, further comprising a recording part which stores data of each image which is formed on the printing paper sheet.

Claim 35 (Withdrawn): The image forming apparatus as claimed in claim 19, further comprising a recording part which stores data of each image which is formed on the printing paper sheet.

Claim 36 (Original): The image forming apparatus as claimed in claim 32, wherein:  
the data stored by said recording part are integrated.

Claim 37 (Withdrawn): The image forming apparatus as claimed in claim 33,  
wherein:

the data stored by said recording part are integrated.

Claim 38 (Withdrawn): The image forming apparatus as claimed in claim 34,  
wherein:

the data stored by said recording part are integrated.

Claim 39 (Withdrawn): The image forming apparatus as claimed in claim 35,  
wherein:

the data stored by said recording part are integrated.



Claim 40 (Original): The image forming apparatus as claimed in claim 1, wherein:  
said grouping part groups the plurality of printing paper sheets by attaching a front cover or a back cover to said plurality of printing paper sheets.

Claim 41 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:  
said grouping part groups the plurality of printing paper sheets by attaching a front cover or a back cover to said plurality of printing paper sheets.

Claim 42 (Withdrawn): The image forming apparatus as claimed in claim 17,  
wherein:  
said grouping part groups the plurality of printing paper sheets by attaching a front cover or a back cover to said plurality of printing paper sheets.

Claim 43 (Withdrawn): The image forming apparatus as claimed in claim 19,  
wherein:  
said grouping part groups the plurality of printing paper sheets by attaching a front cover or a back cover to said plurality of printing paper sheets.

Claim 44 (Original): The image forming apparatus as claimed in claim 1, wherein:  
said grouping part groups the plurality of printing paper sheets by binding them with a staple or punching them.

Claim 45 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:  
said grouping part groups the plurality of printing paper sheets by binding them with a staple or punching them.

Claim 46 (Withdrawn): The image forming apparatus as claimed in claim 17,  
wherein:

said grouping part groups the plurality of printing paper sheets by binding them with a staple or punching them.

Claim 47 (Withdrawn): The image forming apparatus as claimed in claim 19,  
wherein:

said grouping part groups the plurality of printing paper sheets by binding them with a staple or punching them.

Claim 48 (Original): The image forming apparatus as claimed in claim 1, wherein:

said grouping part groups the plurality of printing paper sheets in response to a finish instruction input by an operator.

Claim 49 (Withdrawn): The image forming apparatus as claimed in claim 9, wherein:

said grouping part groups the plurality of printing paper sheets in response to a finish instruction input by an operator.

Claim 50 (Withdrawn): The image forming apparatus as claimed in claim 17,  
wherein:

said grouping part groups the plurality of printing paper sheets in response to a finish instruction input by an operator.

Claim 51 (Withdrawn): The image forming apparatus as claimed in claim 19,  
wherein:

said grouping part groups the plurality of printing paper sheets in response to a finish instruction input by an operator.

Claim 52 (Original): The image forming apparatus as claimed in claim 1, further comprising a sorting part which sorts and ejects the plurality of printing paper sheets on which images of the plurality of originals are formed.

Claim 53 (Withdrawn): The image forming apparatus as claimed in claim 9, further comprising a sorting part which sorts and ejects the plurality of printing paper sheets on which images of the plurality of originals are formed.

Claim 54 (Withdrawn): The image forming apparatus as claimed in claim 17, further comprising a sorting part which sorts and ejects the plurality of printing paper sheets on which images of the plurality of originals are formed.

Claim 55 (Withdrawn): The image forming apparatus as claimed in claim 19, further comprising a sorting part which sorts and ejects the plurality of printing paper sheets on which images of the plurality of originals are formed.

Claim 56 (Original): The image forming apparatus as claimed in claim 52, wherein:  
said sorting part sorts and ejects the plurality of printing paper sheets in use of the data of images of originals.

Claim 57 (Withdrawn): The image forming apparatus as claimed in claim 53,  
wherein:

said sorting part sorts and ejects the plurality of printing paper sheets in use of the  
data of images of originals.

Claim 58 (Withdrawn): The image forming apparatus as claimed in claim 54,  
wherein:

said sorting part sorts and ejects the plurality of printing paper sheets in use of the  
data of images of originals.

Claim 59 (Withdrawn): The image forming apparatus as claimed in claim 55,  
wherein:

said sorting part sorts and ejects the plurality of printing paper sheets in use of the  
data of images of originals.

Claim 60 (Original): The image forming apparatus as claimed in claim 56, wherein:  
said sorting part ejects the plurality of printing paper sheets with changing an  
orientation or shifting a position thereof.

Claim 61 (Withdrawn): The image forming apparatus as claimed in claim 57,  
wherein:

said sorting part ejects the plurality of printing paper sheets with changing an  
orientation or shifting a position thereof.

Claim 62 (Withdrawn): The image forming apparatus as claimed in claim 58,  
wherein:

said sorting part ejects the plurality of printing paper sheets with changing an  
orientation or shifting a position thereof.

Claim 63 (Withdrawn): The image forming apparatus as claimed in claim 59,  
wherein:

said sorting part ejects the plurality of printing paper sheets with changing an  
orientation or shifting a position thereof.

Claim 64 (Original): The image forming apparatus as claimed in claim 52, wherein:  
said sorting part sorts and ejects the plurality of printing paper sheets in response to a  
finish instruction input by an operator.

Claim 65 (Withdrawn): The image forming apparatus as claimed in claim 53,  
wherein:  
said sorting part sorts and ejects the plurality of printing paper sheets in response to a  
finish instruction input by an operator.

Claim 66 (Withdrawn): The image forming apparatus as claimed in claim 54,  
wherein:  
said sorting part sorts and ejects the plurality of printing paper sheets in response to a  
finish instruction input by an operator.

Claim 67 (Withdrawn): The image forming apparatus as claimed in claim 55,  
wherein:

said sorting part sorts and ejects the plurality of printing paper sheets in response to a  
finish instruction input by an operator.

Claim 68 (Currently Amended): A printing method for an image forming apparatus  
which comprises:

a hardware resource used for image forming processing; and  
a program for performing processing concerning image formation,

wherein said method comprises:

changing a type of reading of a plurality of originals which include different types of  
originals in a mixed manner being read, the different types of originals including originals  
having an image on a single side thereof and originals having images on both sides thereof;

grouping printing paper sheets on which images have been formed based on the  
plurality of different types of originals; and

changing a type of reading of an original in response to a reading type change  
instruction input by an operator while the plurality of originals are being read;

~~wherein said reading type comprises a type of an original as to whether the original  
has an image on a single side thereof or images on both sides thereof.~~

Claim 69 (Withdrawn): A printing method for an image forming apparatus which  
comprises:

a hardware resource used for image forming processing; and  
a program for performing processing concerning image formation,

wherein said method comprises:

changing a type in which a read image of an original is formed on a printing paper sheet, during a plurality of originals which include different types of originals in a mixed manner being read;

grouping the printing paper sheets on which images have been formed based on the plurality of originals; and

changing a type of reading of an original in response to a reading type change instruction input by an operator while the plurality of originals are being read ,

wherein said reading type comprises a type of an original as to whether the original has an image on a single side thereof or images on both sides thereof.

Claim 70 (Withdrawn): A printing method for an image forming apparatus which comprises:

a hardware resource used for image forming processing; and

a program for performing processing concerning image formation,

wherein said method comprises:

inserting a predetermined paper sheet into a plurality of printing paper sheets on which images are formed based on a plurality of originals having different types of originals in a mixed manner;

grouping the printing paper sheets; and

inserting a predetermined paper sheet subsequent to a printing paper sheet on which an image of original read immediately before is formed in response to a paper inserting instruction input by an operator, during the plurality of originals being read.

Claim 71 (Withdrawn): A printing method for an image forming apparatus which comprises:

- a hardware resource used for image forming processing; and
- a program for performing processing concerning image formation,

wherein said method comprises:

- an original separating step of, in response to an original separating instruction input by an operator during a plurality of originals having different types of originals in a mixed manner being read, forming an image of original immediately subsequent to reception of said instruction onto a printing paper sheet which is different from a printing paper sheet on which an image of original read immediately before the reception of said instruction is formed; and
- a grouping step of grouping printing paper sheets on which images have been formed based on the plurality of originals.

Claim 72 (Original): The printing method as claimed in claim 68, further comprising a sorting step of sorting and ejecting the plurality of printing paper sheets in case of ejecting a plurality of groups of printing paper sheets, which groups are obtained in said grouping step.

Claim 73 (Withdrawn): The printing method as claimed in claim 69, further comprising a sorting step of sorting and ejecting the plurality of printing paper sheets in case of ejecting a plurality of groups of printing paper sheets, which groups are obtained in said grouping step.

Claim 74 (Withdrawn): The printing method as claimed in claim 70, further comprising a sorting step of sorting and ejecting the plurality of printing paper sheets in case



of ejecting a plurality of groups of printing paper sheets, which groups are obtained in said grouping step.

Claim 75 (Withdrawn): The printing method as claimed in claim 71, further comprising a sorting step of sorting and ejecting the plurality of printing paper sheets in case of ejecting a plurality of groups of printing paper sheets, which groups are obtained in said grouping step.